AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A digital camera comprising:

an image sensing unit including:

a taking lens; and

an image sensing device for sensing a subject image formed by said taking lens and outputting the subject image as an electric signal; and

a camera body including:

an image processor for performing a predetermined processing on the electric signal from said image sensing unit;

a detector for detecting a condition of a proper connection of said image sensing unit to ~~of~~ said camera body; and

a power supply controller for selectively controlling power supply in said camera body, wherein said selection is determined in accordance with a result of the detection.

Claim 2 (original): A digital camera as claimed in claim 1, wherein said camera body has a flash control circuit for controlling light emission of a flash light emitter.

Claim 3 (original): A digital camera as claimed in claim 2, wherein when said detector detects that said image sensing unit is not connected to said camera body, said power supply controller does not supply power to said flash control circuit.

Claim 4 (original): A digital camera as claimed in claim 2, wherein in a case where said image sensing unit is connected to said camera body through a cable,

when said detector detects that the cable has a length larger than a predetermined length, said power supply controller does not supply power to said flash control circuit.

Claim 5 (original): A digital camera as claimed in claim 1, wherein said image processor has a recorder for recording the electric signal as image data.

Claim 6 (previously presented): A digital camera having a connector to which an interface for performing connection to an external device is connectable, comprising:

an image processor for performing a predetermined processing on image data from an image sensing unit having a taking lens and an image sensing device and being connectable to said digital camera via said connector;

a detector for recognizing an interface type from a condition of connection of said interface to said connector of said digital camera; and

a power supply controller for controlling power supply in said digital camera in accordance with a result of the detection.

Claim 7 (original): A digital camera as claimed in claim 6, wherein when it is detected that said interface is not connected, said power supply controller stops power supply to a circuit in said digital camera which circuit is associated with said interface.

Claim 8 (original): A digital camera as claimed in claim 6, further comprising a power supply portion for supplying power only to said interface, wherein when it is detected that said interface is not connected, said power supply controller does not supply power to said power supply portion.

Claim 9 (original): A digital camera as claimed in claim 6, further comprising

a plurality of power supply portions for supplying power to a plurality of circuits in said digital camera, wherein power is supplied only to a specific power supply portion in accordance with the result of the detection.

Claim 10 (original): A digital camera as claimed in claim 6, wherein said image processor has a recorder for recording an electric signal as image data.

Claim 11 (currently amended): A digital camera to which an image sensing unit having a taking lens and an image sensing device is connectable, comprising:

a connection device provided to a main body of the digital camera for detachably connecting external devices including said image sensing device;

an image processor for performing a predetermined processing on image data from said image sensing unit;

a detector for detecting a condition of connection of an external device when connected to said connection device and for identifying the external device based on a detected condition of connection; and

a power supply controller for controlling power supply to said digital camera in accordance with a result of the detection.

Claim 12 (original): A digital camera as claimed in claim 11, wherein when it is detected that said image sensing unit is not connected, said power supply controller stops power supply to a circuit in said digital camera, which circuit is associated with said image sensing unit.

Claim 13 (original): A digital camera as claimed in claim 11, further comprising a power supply portion for supplying power only to said image sensing unit, wherein when it is detected that said image sensing unit is not connected, said power supply controller does not supply power to said power supply portion.

Claim 14 (original): A digital camera as claimed in claim 11, further comprising a plurality of power supply portions for supplying power to a plurality of circuits in said digital camera, wherein power is supplied only to a specific power supply portion in accordance with the result of the detection.

Claim 15 (original): A digital camera as claimed in claim 11, further comprising a flash control circuit for controlling flash light emission.

Claim 16 (original): A digital camera as claimed in claim 15, wherein when said detector detects that said image sensing unit is not connected to a camera body, said power supply controller does not supply power to said flash control circuit.

Claim 17 (original): A digital camera as claimed in claim 15, wherein in a case where said image sensing unit is connected to a camera body through a cable, when said detector detects that the cable has a length larger than a predetermined length, said power supply controller does not supply power to said flash control circuit.

Claim 18 (original): A digital camera as claimed in claim 11, wherein said image processor has a recorder for recording an electric signal as image data.

Claim 19 (currently amended): A power source control method in a digital camera having a connector to which each of a plurality of detachable device types, including an image sensing unit having a taking lens and an image sensing device, is replaceably connectable, said method comprising the steps of:

detecting a condition of connection of a detachable device to said digital camera~~, wherein said detecting a condition comprises~~;

identifying the type of device connected to the connector of said camera based on a detected condition of connection; and

controlling power supply in said digital camera in accordance with a result of the detection.

Claim 20 (original): A power source control method as claimed in claim 19, wherein when it is detected that said image sensing unit is not connected, power supply to a circuit in said digital camera which circuit is associated with said image sensing unit is stopped.

Claim 21 (original): A power source control method as claimed in claim 19, wherein a different unit is connectable to said digital camera, and a condition of connection of the different unit is detected in said detecting step.

Claim 22 (previously presented): A digital camera comprising:

a detachably connectable image sensing device including:

a taking lens; and

an image sensing device for sensing a subject image formed by said taking lens and outputting the subject image as an electric signal; and

a camera body including:

a connection terminal for connecting the image sensing unit or a different detachably connectable device;

an image processor for performing a predetermined processing on the electric signal from said image sensing device;

a detector for detecting a condition of connection of one of the detachable devices and for determining which detachable device is connected based on the detected condition; and

a power supply controller for controlling power supply in said camera body in accordance with a result of the detection.

Claim 23 (previously presented): A digital camera as claimed in claim 22,

wherein the power supply controller includes control logic for selectively supplying power to portions of the camera and not to other portions of the camera, the selection being based on a detected type of the device detected by the detector.

Claim 24 (previously presented): A digital camera as claimed in claim 22, wherein said camera body has a flash control circuit for controlling light emission of a flash light emitter.

Claim 25 (previously presented): A digital camera as claimed in claim 24, wherein when said detector detects that said image sensing unit is not connected to said camera body, said power supply controller does not supply power to said flash control circuit.

Claim 26 (previously presented): A digital camera as claimed in claim 24, wherein in a case where said image sensing unit is connected to said camera body through a cable, when said detector detects that the cable has a length larger than a predetermined length, said power supply controller does not supply power to said flash control circuit.

Claim 27 (previously presented): A digital camera as claimed in claim 22, wherein said image processor has a recorder for recording the electric signal as image data.

Claim 28 (previously presented): A camera according to claim 22, wherein the different detachably connectable device comprises one of an extension cable, a personal computer interface and a video capture adapter.

Claim 29 (previously presented): The power source control method as claimed in claim 19, wherein the step of controlling power supply includes selectively

supplying power to at least one power supply portion of the camera and not to other power supply portions of the camera, the selection being based on a type identified in the step of detecting.

Claim 30 (currently amended): A digital camera to which an interface for performing connection to an external device is connectable, comprising:

an image processor for performing a predetermined processing on image data from an image sensing unit having a taking lens and an image sensing device;

a detector for recognizing an interface type from a condition of connection of said interface to said digital camera; and

a power supply controller for controlling power supply in said digital camera in accordance with a result of the detection, wherein the power supply controller includes control logic for selectively supplying power to at least one power source portion of the camera and not to other power source portions of the camera, the selection being based on a type of interface recognized by said detector and automatically performed in response to the detection of a condition of connection.

Claim 31 (new): The digital camera as claimed in claim 1, wherein the selection is automatically performed in response to the said detector detecting a condition of connection.

Claim 32 (new): The digital camera as claimed in claim 6, wherein the power supply controller selectively controls power supply automatically in response said detector detecting a condition of connection.

Claim 33 (new): The digital camera as claimed in claim 11, wherein the power supply controller selectively controls power supply automatically in response to said detector detecting a condition of connection.

Claim 34 (new): The power source control method as claimed in claim 19, wherein controlling the power supply in said digital camera comprises selectively controlling power supply automatically in response to said detector detecting a condition of connection.

Claim 35 (new): The digital camera as claimed in claim 22, wherein the power supply controller selectively controls power supply automatically in response to said detector detecting a condition of connection.